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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/072,438

DATE: 02/28/2002
TIME: 10:29:12

Input Set : N:\Crf3\RULE60\10072438.raw.txt
Output Set: N:\CRF3\02282002\J072438.raw

1 <110> APPLICANT: della-Cioppa, Guy
 2 Erwin, Robert L.
 3 Fitzmaurice, Wayne P.
 4 Hanley, Kathleen M.
 5 Kumagai, Monto H.
 6 Lindbo, John A.
 7 McGee, David R.
 8 Padgett, Hal S.
 9 Pogue, Gregory P.
 10 <120> TITLE OF INVENTION: METHOD OF DETERMINING THE FUNCTION OF
 11 NUCLEOTIDE SEQUENCES AND THE PROTEINS THEY ENCODE BY
 12 TRANSFECTING THE SAME INTO A HOST
 13 <130> FILE REFERENCE: 08010137US01
 15 <140> CURRENT APPLICATION NUMBER: 10/072,438
 16 <141> CURRENT FILING DATE: 2002-02-05
 18 <150> PRIOR APPLICATION NUMBER: US/09/232,170
 19 <151> PRIOR FILING DATE: 1999-01-15
 23 <160> NUMBER OF SEQ ID NOS: 49
 24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
 26 <210> SEQ ID NO: 1
 27 <211> LENGTH: 26
 28 <212> TYPE: DNA
 29 <213> ORGANISM: viral
 30 <400> SEQUENCE: 1
 31 ctcgaaagt ttcaacccaa atcctc 26
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 35
 35 <212> TYPE: DNA
 36 <213> ORGANISM: VIRAL
 37 <400> SEQUENCE: 2
 38 cgggttacct gggccccaac cgggggttcc ggggg 35
 40 <210> SEQ ID NO: 3
 41 <211> LENGTH: 41
 42 <212> TYPE: DNA
 43 <213> ORGANISM: VIRAL
 44 <400> SEQUENCE: 3
 45 tcctcgagcc taggctcgca aagttcgaa ccaaattcctc a 41
 47 <210> SEQ ID NO: 4
 48 <211> LENGTH: 35
 49 <212> TYPE: DNA
 50 <213> ORGANISM: VIRAL
 51 <400> SEQUENCE: 4
 52 cgggttacct gggccccaac cgggggttcc ggggg 35

ENTERED

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54 <210> SEQ ID NO: 5
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56 <212> TYPE: DNA
57 <213> ORGANISM: VIRAL
58 <400> SEQUENCE: 5
59      tatgtatggc gcagaagaac agat          24
61 <210> SEQ ID NO: 6
62 <211> LENGTH: 25
63 <212> TYPE: DNA
64 <213> ORGANISM: VIRAL
65 <400> SEQUENCE: 6
66      agtcgactct tcctttctgc gcatc          25
68 <210> SEQ ID NO: 7
69 <211> LENGTH: 30
70 <212> TYPE: DNA
71 <213> ORGANISM: VIRAL
72 <400> SEQUENCE: 7
73      tgctcgagtg ttttcttcag ttttctgtca          30
75 <210> SEQ ID NO: 8
76 <211> LENGTH: 30
77 <212> TYPE: DNA
78 <213> ORGANISM: VIRAL
79 <400> SEQUENCE: 8
80      aactcgagcg ctttgatttc tccgaagctt          30
82 <210> SEQ ID NO: 9
83 <211> LENGTH: 39
84 <212> TYPE: DNA
85 <213> ORGANISM: VIRAL
86 <400> SEQUENCE: 9
87      gcctcgagtg cagcatggaa acccttctaa agctttcc          39
89 <210> SEQ ID NO: 10
90 <211> LENGTH: 36
91 <212> TYPE: DNA
92 <213> ORGANISM: VIRAL
93 <400> SEQUENCE: 10
94      tcccttaggtc aaaggctctc tattgctaga ttgcc          36
96 <210> SEQ ID NO: 11
97 <211> LENGTH: 44
98 <212> TYPE: DNA
99 <213> ORGANISM: VIRAL
100 <400> SEQUENCE: 11
101     ccaagttct cgagtgcagc atgcagcaac cggcgctgct tgac          44
103 <210> SEQ ID NO: 12
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: VIRAL
107 <400> SEQUENCE: 12
108     aagatctctc gagctaaacg ggacgctgcc aaagaccggc cgg          43
110 <210> SEQ ID NO: 13
  
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111 <211> LENGTH: 26
112 <212> TYPE: DNA
113 <213> ORGANISM: VIRAL
114 <400> SEQUENCE: 13
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117 <210> SEQ ID NO: 14
118 <211> LENGTH: 36
119 <212> TYPE: DNA
120 <213> ORGANISM: VIRAL
121 <400> SEQUENCE: 14
122     cggggtaacct gggccgctac cggcggttag gggagg      36
124 <210> SEQ ID NO: 15
125 <211> LENGTH: 32
126 <212> TYPE: DNA
127 <213> ORGANISM: VIRAL
128 <400> SEQUENCE: 15
129     gacagaagct ttgcagcatg caaaaaaccg tt          32
131 <210> SEQ ID NO: 16
132 <211> LENGTH: 31
133 <212> TYPE: DNA
134 <213> ORGANISM: VIRAL
135 <400> SEQUENCE: 16
136     cgcggtcatt gcagatcctc aatcatcagg c          31
138 <210> SEQ ID NO: 17
139 <211> LENGTH: 25
140 <212> TYPE: DNA
141 <213> ORGANISM: VIRAL
142 <400> SEQUENCE: 17
143     ttgcactctg ttggctcatg acgat          25
145 <210> SEQ ID NO: 18
146 <211> LENGTH: 26
147 <212> TYPE: DNA
148 <213> ORGANISM: VIRAL
149 <400> SEQUENCE: 18
150     caagcttgca caaacgaacg tctcac          26
152 <210> SEQ ID NO: 19
153 <211> LENGTH: 42
154 <212> TYPE: DNA
155 <213> ORGANISM: VIRAL
156 <400> SEQUENCE: 19
157     cactcgaaqg catggctatt cccgaagaat ttgatattat cg      42
159 <210> SEQ ID NO: 20
160 <211> LENGTH: 36
161 <212> TYPE: DNA
162 <213> ORGANISM: VIRAL
163 <400> SEQUENCE: 20
164     tcccttaggtt agaatctagc aagaccggtc ttctcg      36
166 <210> SEQ ID NO: 21
167 <211> LENGTH: 38

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168 <212> TYPE: DNA
169 <213> ORGANISM: VIRAL
170 <400> SEQUENCE: 21
171      ctctcgagat caatcatcca tctccgaagt gtgtctgc          38
173 <210> SEQ ID NO: 22
174 <211> LENGTH: 34
175 <212> TYPE: DNA
176 <213> ORGANISM: VIRAL
177 <400> SEQUENCE: 22
178      tcccttaggtc agatttttctc ccagattgcg tagc          34
180 <210> SEQ ID NO: 23
181 <211> LENGTH: 42
182 <212> TYPE: DNA
183 <213> ORGANISM: VIRAL
184 <400> SEQUENCE: 23
185      gcctcgagtg cagcatgatc agattcttag tcctctcttt gc          42
187 <210> SEQ ID NO: 24
188 <211> LENGTH: 36
189 <212> TYPE: DNA
190 <213> ORGANISM: VIRAL
191 <400> SEQUENCE: 24
192      tcccttaggct aaataggcata acttccacat caaagc          36
194 <210> SEQ ID NO: 25
195 <211> LENGTH: 38
196 <212> TYPE: DNA
197 <213> ORGANISM: VIRAL
198 <400> SEQUENCE: 25
199      cactcgagag catgctgcac ctgactcctg aggagaag          38
201 <210> SEQ ID NO: 26
202 <211> LENGTH: 38
203 <212> TYPE: DNA
204 <213> ORGANISM: VIRAL
205 <400> SEQUENCE: 26
206      cgtctagatt agtatactt gtgggccagc gcattagc          38
208 <210> SEQ ID NO: 27
209 <211> LENGTH: 26
210 <212> TYPE: DNA
211 <213> ORGANISM: VIRAL
212 <400> SEQUENCE: 27
213      ggctgtgaaa ctcgaaaagg ttccgg          26
215 <210> SEQ ID NO: 28
216 <211> LENGTH: 36
217 <212> TYPE: DNA
218 <213> ORGANISM: VIRAL
219 <400> SEQUENCE: 28
220      cggggtagct gggccgctac cggcggttag gggagg          36
222 <210> SEQ ID NO: 29
223 <211> LENGTH: 31
224 <212> TYPE: DNA

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/072,438

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Input Set : N:\Crf3\RULE60\10072438.raw.txt
Output Set: N:\CRF3\02282002\J072438.raw

225 <213> ORGANISM: VIRAL
 226 <400> SEQUENCE: 29
 227 tactcgaggt tcataagacc gcggtaggcg g 31
 229 <210> SEQ ID NO: 30
 230 <211> LENGTH: 36
 231 <212> TYPE: DNA
 232 <213> ORGANISM: VIRAL
 233 <400> SEQUENCE: 30
 234 cggggtacct gggccctac cgggggtta gggagg 36
 236 <210> SEQ ID NO: 31
 237 <211> LENGTH: 1536
 238 <212> TYPE: DNA
 239 <213> ORGANISM: VIRAL
 240 <400> SEQUENCE: 31
 241 ctcgaggttc ataagaccgc ggtaggcggc gcgtttgtt actgttagtat aattaaat 60
 242 ttgtcagata aaagggttgt taaagattt gtttttgtt gactcgataa tgtcttacga 120
 243 gcctaaagt agtgacttcc ttgcctttac gaaaaaggag gaaattttac ccaaggctt 180
 244 gacgagatta aagactgtct ctattagttc taaggatgtt atatctgtta aggagtctga 240
 245 gtccctgtgt gatattgtt tgtagtgaa tgcatttttttca ccggtaatg gctgttaccg gattgttaaa ggtgggtaa 300
 246 tgtagtgaa tgcattttttca ccggtaatg gctgttaccg gattgttaaa ggtgggtaa 360
 247 cagttagtgc gattgacaaa cggcttgcattt attccagaga gtgcataattt ggtacgtacc 420
 248 gagctgtgt aaaggacaga aggttccagt tcaagctgtt tccaaatttac ttctgtatcca 480
 249 ttgcgtatgc caagcgaaaa ccgtggcagg ttcatgtgcg aatcaaaatc tgaagatcga 540
 250 agctggatgg caaccctctat ctctagaggt ggtttctgtt gccatggta ctaataacgt 600
 251 ggtagttaaa gtttgaggaa aaaaggatcat cgcaatgtt gtcgcacgt cgaaggttc 660
 252 gaagggtgtt ttgacgattt cgtcgatttgc gttgctgcatttcaaggcgat tgacagttc 720
 253 cgaaagaaaa aagaaaaaaa ttggaggaag ggatgttaat aataataat atagatata 780
 254 accggagaga taacccggcctt ctgatttgcatttcaatataaa gaaaaaaatg gtttacaaca 840
 255 tcacgagatc gaatcagtttgc cgttgcatttgc cagcgatgtt ggcagagccc acagcgatgc 900
 256 ttaaccatgtt cgtgtctgcg ttgtcgcaat cgtatcaaac tcaggcggca agagatactg 960
 257 ttagacagca gttctctaacttctgttgc cgttgcatttgc accgaaccag cgggttccag 1020
 258 aaacaggata ccgggtgttat attaatttgc cgttcttca accgttgcatttgc ggtctctca 1080
 259 tgaagtccctt tgataactaga aataggatca ttgaaactga agaagagtcg cgtccatcg 1140
 260 cttccgaagt atctaatacgca acacaacgtt ttgtatgttgc gaccgtcggc catcaggat 1200
 261 caaatcagc ttttgcgttgcg cggatcttcc aacggacatg gtctgtatgc acagggcaga 1260
 262 gttcgagggtt ttattacctt gggctactgc gccagctaca taggcgttgc gcacacgata 1320
 263 gtgcatacgatgtt ttttcttc cactaaatc gaagagatat acttacgttgc taattccgc 1380
 264 aggggtggcgtt aaaccatcgca acgttgcatttgc ttgtatgttgc gaccgtcggc catcaggat 1440
 265 ttcctggatc acctgttaac gtacgcgttgc cgtatattac agtggaaata actaaaatgt 1500
 266 agatgttgcgaa tcctcctaacttccggtagg ggccca 1536
 268 <210> SEQ ID NO: 32
 269 <211> LENGTH: 55
 270 <212> TYPE: DNA
 271 <213> ORGANISM: VIRAL
 272 <400> SEQUENCE: 32
 273 gatggcgcctt taatacgacg cactatagtt ttatgttgc tgcaacaaca acaac 55
 275 <210> SEQ ID NO: 33
 276 <211> LENGTH: 30
 277 <212> TYPE: DNA

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/072,438

DATE: 02/28/2002
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Input Set : N:\Crf3\RULE60\10072438.raw.txt
Output Set: N:\CRF3\02282002\J072438.raw

:369 M:351 W: Sequence data Name/Key Feature Out-of-Range, SEQ ID#:43, CDS LOCATION: (1)...
1992)

:373 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:376 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:379 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:382 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:385 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:388 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:391 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:394 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:397 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:400 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:403 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:406 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:409 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:412 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:415 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43
:418 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:43